

Abstract

In a variable power divider including a first 90° phase combiner (30), a second 90° phase combiner (40), and a phase-amplitude adjustment block (50), the phase-amplitude adjustment block (50) includes, correspondingly to two-channel polarized signals, variable phase shifters (51, 52) for adjusting their phase amounts and variable attenuators (55, 56) for adjusting amplitudes (attenuation amounts), and the phase amounts and the amplitudes of the two-channel polarized signals can be adjusted by an antenna control unit (60). Further, there are included a phase shifter (53) and an attenuator (57) provided on two-channel signal lines between an orthomode transducer (20) and a first 90° phase combiner (30) and for equalizing the amplitudes and phases of the two-channel polarized signals. By this, an antenna apparatus can be inexpensively provided which uses a reflector antenna (10) to perform transmission/reception of a signal to/from a satellite at high accuracy, and is miniaturized to be suitable for mounting on an aircraft or the like.